

ESTO Program Objectives

- Enable science and applications programs to reduce cost of Earth science measurements planned in near-, mid-, and far-term
- Implement technology programs - Instrument Incubator Program, Advanced Technology Initiatives, Advanced Information System Technologies and Advanced Platform Technologies
- Integrate technology strategy among the NASA enterprises, DoD & other agencies

ESTO Program Goals

Maintain a traceable link between science/ applications objectives and technology

Ensure overall program cost effectiveness through technology advances and application

Ensure that the ESTO Program maintains an effective balance of investment in order to advance technology development

Leverage technology investments through internal NASA program synergy and external partnerships

ESTO Program Performance Metrics

- Annual update of the data/information residing in the Technology Integrated Planning System (TIPS) by ESTO

- At least 25% of funded development tasks advance by at least one TRL each year
- Annually transfer at least one technology development to a commercial entity; infusion into a remote sensing or in situ mission; or infusion into ground information systems

- Technology funding strategy that results in at least 25% of TRL 5-6 and no more than 20% TRL 1-2 annually
- Annual update of the Integrated Technology Development Plan by ESTO

- Annually establish at least one joint agreement with a program external to NASA, or with another NASA program, that results in the inclusion of at least one ESE requirement